

**What is claimed is:**

1. A crankshaft coupling structure used in an engine and coupled between a piston and a crankshaft to enhance the output torque of the engine, comprising:
  - 5 connector pivoted to said crankshaft, said connector having a radially extended sliding slot;
  - a coupling rod member, said coupling rod member having a top end pivoted to said piston and a bottom end inserted into said sliding slot of said connector; and
  - 10 a coupling member fastened pivotally with the bottom end of said coupling rod member and received in said sliding slot and movable with said coupling rod member between two distal ends of said sliding slot.
2. The crankshaft coupling structure as claimed in claim 1, wherein said sliding slot extends in a radial direction relative to said crankshaft..
- 15 3. The crankshaft coupling structure as claimed in claim 2, wherein said sliding slot is smoothly arched.